

## EAST Search History

| Ref # | Hits | Search Query   | DBs                    | Default Operator | Plurals | Time Stamp          |
|-------|------|--|------------------------|------------------|---------|---------------------|
|       |      | "20050060321" and (co\$)   | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/05/29<br>15:36 |
|       |      | @pd<"20030912" and<br>(biology or biological or<br>gene or amino or<br>sequence) and ((shift or<br>shifting) with window)) | US-<br>PGPUB;<br>USPAT | OR               | ON      | 2007/11/28<br>11:05 |
|       |      | @pd<"20030912" and<br>(biology\$ or gene\$) and<br>((store\$ or save\$) with<br>binary)                                    | US-<br>PGPUB;<br>USPAT | OR               | ON      | 2007/11/28<br>10:35 |
|       |      | @pd<"20030912" and<br>"curve fitting" and 'degree<br>polynomial"   | US-<br>PGPUB;<br>USPAT | OR               | ON      | 2007/11/29<br>09:03 |
| L1    | 0    | "20050060321" and carrier  | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>09:21 |
| L2    | 0    | "20050060321" and wave   | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>09:21 |
| L3    | 0    | "20050060321" and signal   | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>09:21 |
| L4    | 0    | "20050060321" and media  | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>09:22 |
| L5    | 1    | "20050060321" and<br>medium  | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>09:22 |
| L6    | 1    | "20050060321" and<br>computer  | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>09:49 |
| L7    | 1    | "20050060321" and<br>analysis  | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>10:49 |
| L8    | 0    | "20050060321" and<br>medical   | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>11:04 |
| L9    | 1748 | @pd<"20030905" and<br>707/100.ccls.  | US-<br>PGPUB;<br>USPAT | OR               | OFF     | 2008/11/25<br>12:58 |

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|-----|-----|--|------------------------|----|-----|---------------------|
| L10 | 400 | @pd<"20030905" and 707/100.ccls. and pattern                   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>12:59 |
| L11 | 8   | @pd<"20030905" and 707/100.ccls. and (pattern with detection)  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>12:59 |
| L12 | 22  | @pd<"20030905" and 707/100.ccls. and (pattern and permutation) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>12:59 |
| L13 | 131 | @pd<"20030905" and "706".clas. and (pattern and permutation)   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>13:00 |
| L14 | 21  | 706/45.ccls. and @pd<"20030905" and (pattern and permutation)  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>13:01 |
| L15 | 9   | 706/46.ccls. and @pd<"20030905" and (pattern and permutation)  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>13:01 |
| L16 | 16  | 706/25.ccls. and @pd<"20030905" and (pattern and permutation)  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>13:01 |
| L17 | 6   | 706/26.ccls. and @pd<"20030905" and (pattern and permutation)  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>13:01 |
| L18 | 67  | l17 or l16 or l15 or l14 or l12                                | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/11/25<br>13:02 |
| S1  | 1   | "20050060321"  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/28<br>14:15 |
| S2  | 899 | "20050060321" gene and protien                                 | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/01/08<br>08:07 |
| S3  | 0   | "20050060321" and gene and protien                             | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/01/08<br>08:07 |
| S4  | 1   | "20050060321" and gene and protein                             | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/01/08<br>08:35 |
| S5  | 1   | "20050060321" and "250"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/01/08<br>08:35 |
| S6  | 1   | "20050060321" and "set"  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/07/27<br>09:42 |
| S7  | 1   | "20050060321" and abstract                                     | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/26<br>15:24 |

|     |       |   |                        |    |     |                     |
|-----|-------|---|------------------------|----|-----|---------------------|
| S8  | 96243 | genome or genomes   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/26<br>15:25 |
| S9  | 42673 | @pd<"20030912" and<br>(genome or genomes)                       | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/26<br>15:25 |
| S10 | 71    | @pd<"20030912" and<br>((genome or genomes)<br>same permutation) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/26<br>15:25 |
| S11 | 23    | @pd<"20030912" and<br>((genome or genomes)<br>with permutation) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/26<br>15:35 |
| S12 | 0     | "20050114304" and<br>excur?                                     | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>08:30 |
| S13 | 1     | "20050114304"   | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>08:30 |
| S14 | 1     | "20050114304" and<br>excursion                                  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>08:31 |
| S15 | 1     | "20050060321" and<br>function?                                  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>10:44 |
| S16 | 1     | "20050060321" and<br>function\$                                 | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>10:46 |
| S17 | 1     | "20050060321" and<br>(function\$ samr function\$)               | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>10:46 |
| S18 | 0     | "20050060321" and<br>(function\$ same relation\$<br>\$)         | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>10:55 |
| S19 | 0     | "20050060321" and<br>structural                                 | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>11:00 |
| S20 | 1     | "20050060321" and<br>practical                                  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/27<br>11:00 |
| S21 | 71    | @pd<"20030912" and<br>((genome or genomes)<br>same permutation) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>11:49 |
| S22 | 23    | @pd<"20030912" and<br>((genome or genomes)<br>with permutation) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>11:49 |
| S23 | 48    | S21 not S22   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>13:36 |

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|-----|------|---|------------------------|----|-----|---------------------|
| S24 | 1    | "5606695".pn.   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>13:36 |
| S25 | 6    | "5606695".pn. or<br>"5838906".pn. or<br>"6035278".pn. or<br>"6092048".pn. or<br>"6507845".pn. or<br>"6101481".pn.   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>15:25 |
| S26 | 6003 | @pd<"20030912" and<br>"curve fitting"   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>15:25 |
| S27 | 72   | @pd<"20030912" and<br>"curve fitting" and "degree<br>polynomial"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>15:26 |
| S28 | 12   | @pd<"20030912" and<br>("curve fitting" with<br>"degree polynomial")   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/27<br>15:26 |
| S29 | 137  | @pd<"20030912" and<br>"binary tree" and "pattern<br>recognition"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>14:48 |
| S30 | 14   | @pd<"20030912" and<br>("binary tree" same<br>"pattern recognition")   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>10:34 |
| S31 | 9056 | @pd<"20030912" and<br>(biology or biological or<br>gene or amino or<br>sequence) and ((store or<br>storing or save or saving)<br>with binary)                         | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>10:36 |
| S32 | 9    | @pd<"20030912" and<br>((biology or biological or<br>gene or amino or<br>sequence) and ((store or<br>storing or save or saving)<br>with binary) with "search<br>tree") | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>11:04 |
| S33 | 2693 | @pd<"20030912" and<br>(biology or biological or<br>gene or amino or<br>sequence) and ((shift or<br>shifting) with window)   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>11:05 |
| S34 | 33   | @pd<"20030912" and<br>(biology or biological or<br>gene or amino or<br>sequence) and (((shift or<br>shifting) with window)<br>with increment)                         | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>11:06 |
| S35 | 0    | "20050060321" and<br>various  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/28<br>14:16 |

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|-----|-------|--|------------------------|----|-----|---------------------|
| S36 | 0     | "20050060321" and numerous   | US-<br>PGPUB;<br>USPAT | OR | OFF | 2007/11/28<br>14:16 |
| S37 | 1     | "20050060321" and application  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>14:16 |
| S38 | 13025 | @pd<"20030912" and "pattern recognition"   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>14:48 |
| S39 | 506   | @pd<"20030912" and "pattern recognition" and genome                              | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>14:51 |
| S40 | 2     | @pd<"20030912" and "pattern recognition" and genome and "input string"           | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>14:52 |
| S41 | 126   | @pd<"20030912" and "pattern recognition" and "input string"                      | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>15:11 |
| S42 | 24    | @pd<"20030912" and "pattern recognition" and "input string" and permutation      | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>15:15 |
| S43 | 449   | @pd<"20030912" and "pattern recognition" and permutation                         | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>15:15 |
| S44 | 102   | @pd<"20030912" and "pattern recognition" and permutation and (gene or genome)    | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>15:16 |
| S45 | 9     | @pd<"20030912" and "pattern recognition" and (permutation same (gene or genome)) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/28<br>15:16 |
| S46 | 506   | @pd<"20030912" and "pattern recognition" and genome                              | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:03 |
| S47 | 21    | S46 and "706".clas.  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:04 |
| S48 | 161   | 706/12.ccls. and @pd<"20030912"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:05 |
| S49 | 182   | 706/13.ccls. and @pd<"20030912"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:05 |
| S50 | 239   | 706/15.ccls. and @pd<"20030912"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:05 |

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| S51 | 224     | 706/16.ccls. and<br>@pd< "20030912"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:05 |
| S52 | 446     | 706/20.ccls. and<br>@pd< "20030912"  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:05 |
| S53 | 86      | 706/15.ccls. and<br>@pd< "20030912" and<br>(pattern with recognition)            | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:06 |
| S54 | 413     | S53 or S48 or S49  | US-<br>PGPUB;<br>USPAT | OR | ON  | 2007/11/29<br>09:06 |
| S55 | 0       | "20050060321" and (co-<br>located or colocated)                                  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/29<br>15:36 |
| S56 | 1       | "20050060321" and<br>element   | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/05/29<br>15:36 |
| S57 | 0       | "20050060321" and wave   | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/30<br>08:29 |
| S58 | 0       | "20050060321" and carrier  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/30<br>08:29 |
| S59 | 1       | "20050060321" and<br>medium  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/30<br>08:29 |
| S60 | 0       | "20050060321" and "co-<br>located"   | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/30<br>08:54 |
| S61 | 1751526 | element  | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/30<br>08:54 |
| S62 | 1       | "20050060321" and<br>element   | US-<br>PGPUB;<br>USPAT | OR | OFF | 2008/05/30<br>08:54 |
| S63 | 15      | @ad< "20030905" and<br>@pd> "20071129" and<br>(permutation with pattern)         | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/05/30<br>13:03 |
| S64 | 4       | @ad< "20030905" and<br>@pd> "20071129" and<br>("input string" with<br>character) | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/05/30<br>13:03 |
| S65 | 0       | @ad< "20030905" and<br>@pd> "20071129" and<br>( collocate with element)          | US-<br>PGPUB;<br>USPAT | OR | ON  | 2008/05/30<br>13:04 |

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|-----|-----|---|------------------------|----|----|---------------------|
| S66 | 77  | @ad<"20030905" and @pd>"20071129" and (( relationship with between) with group) | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:05 |
| S67 | 3   | @ad<"20030905" and @pd>"20071129" and (( shift\$ with input) with string)       | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:11 |
| S68 | 1   | @ad<"20030905" and @pd>"20071129" and (( shift\$ with input) with window)       | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:11 |
| S69 | 100 | S63 or S64 or S66 or S67 or S68   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:19 |
| S70 | 1   | "706".clas. and S69   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:19 |
| S71 | 506 | @pd<"20030912" and "pattern recognition" and genome                             | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:20 |
| S72 | 21  | "706".clas. and S71   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:20 |
| S73 | 6   | 706/20.ccls. and @ad<"20030905" and @pd>"20071129"                              | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:21 |
| S74 | 9   | 706/15.ccls. and @ad<"20030905" and @pd>"20071129"                              | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:21 |
| S75 | 11  | 706/16.ccls. and @ad<"20030905" and @pd>"20071129"                              | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:21 |
| S76 | 18  | 706/12.ccls. and @ad<"20030905" and @pd>"20071129"                              | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:21 |
| S77 | 4   | 706/13.ccls. and @ad<"20030905" and @pd>"20071129"                              | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:22 |
| S78 | 37  | S73 or S74 or S75 or S76 or S77   | US-<br>PGPUB;<br>USPAT | OR | ON | 2008/05/30<br>13:22 |

11/25/2008 1:06:57 PM

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